

R2

Please replace the paragraph beginning on line 18 of page 27 with the following rewritten paragraph:

--The immunostaining procedure was as described for bovine chondrocyte cells in Example 2, except that rabbit anti-neurofilament primary antibodies (available from Chemicon International of Temicula, CA) were used with goat anti-rabbit secondary antibodies labeled with fluorescein (available from Jackson ImmunoResearch Laboratories Inc., of West Grove, PA). Significant levels of fluorescein and hence of neurofilament were detected on the polymer spots only.--

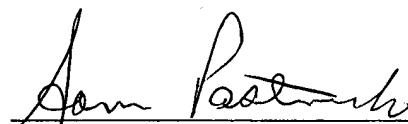
Please delete Figures 4 and 5.

Remarks

In order to comply with 37 CFR 1.84, Applicant respectfully requests entrance of the attached substitute drawings for Figures 2 and 3 into this case. Applicant further requests that Figures 4 and 5 be deleted from the present patent application. Applicant respectfully submits that the drawings submitted herewith are electronically reproducible and therefore satisfy the requirements of 37 CFR 1.84.

The specification has been amended to reflect the deletion of Figures 4 and 5. Applicant submits that no new matter has been presented with this amendment. As required, attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached page is captioned "Version with markings to show changes made".

Respectfully submitted,

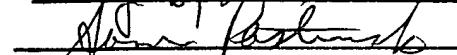


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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, D.C. 20231

on Aug 8, 2001





Version with markings to show changes made

In the specification:

The paragraph beginning on line 20 of page 4 has been deleted as follows:

~~Figure 4 is a fluorescence photomicrograph of immunostained bovine chondrocyte cells grown on a microarray of polymeric biomaterials.~~

The paragraph beginning on line 22 of page 4 has been deleted as follows:

~~Figure 5 is a fluorescence photomicrograph of immunostained neural stem cells grown on a microarray of polymeric biomaterials.~~

The paragraph beginning at line 3 of page 27 has been amended as follows:

Finally, after applying a few drops of mounting medium (available as VECTAMOUNT™ from Vector Laboratories, Inc. of Burlingame, CA), placing a 22 mm by 60 mm coverslip on the slide and sealing the edges, the microarray was imaged using an ARRAYWORXSTM microarray scanner (available from Applied Precision, Inc. of Issaquah, WA). ~~Figure 4 is a photograph of such a scan in which bovine chondrocyte cells were grown on 150 µm polymer spots. White spots represent significant~~ Significant levels of oregon green and hence of collagen II were detected on the polymer spots only. The control slide that lacked primary rabbit antibody showed no sign of oregon green, suggesting the absence of non-specific binding by the secondary goat antibody.

The paragraph beginning at line 18 of page 27 has been amended as follows:

The immunostaining procedure was as described for bovine chondrocyte cells in Example 2, except that rabbit anti-neurofilament primary antibodies (available from Chemicon International of Temicula, CA) were used with goat anti-rabbit secondary antibodies labeled with fluorescein (available from Jackson ImmunoResearch Laboratories Inc., of West Grove, PA). ~~Figure 5 is a photograph of such immunostained neural stem cells grown on 150 µm polymer spots. Significant levels of fluorescein and hence of neurofilament were detected on the polymer spots only.~~